

***LineUp With Math™* Alignment**
Priority Academic Student Skills
Process Standards

Process Standard 1: Problem Solving

<p>1. Apply a wide variety of problem-solving strategies (identify a pattern, use equivalent representations) to solve problems from within and outside mathematics.</p>	<p><i>LineUp With Math™</i> Activities</p> <p>--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.</p> <p>--Choose and apply a variety of strategies to optimize the solution of air traffic control conflicts.</p>
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Process Standard 4: Connections

<p>1. Link mathematical ideas to the real world (e.g., statistics helps qualify the confidence we can have when drawing conclusions based on a sample).</p>	<p><i>LineUp With Math™</i> Activities</p> <p>--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.</p>
<p>2. Apply mathematical problem-solving skills to other disciplines.</p>	<p>--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.</p>
<p>3. Use mathematics to solve problems encountered in daily life.</p>	<p>--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.</p>

Process Standard 5: Representation

<p>1. Use algebraic, graphic, and numeric representations to model and interpret mathematical and real world situations.</p>	<p><i>LineUp With Math™</i> Activities</p> <p>--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.</p>
<p>2. Use a variety of mathematical representations as tools for organizing, recording, and communicating mathematical ideas (e.g., mathematical models, tables, graphs, spreadsheets).</p>	<p>--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.</p>